

Abstract:

- 5 An integrated process for the combined fermentation and the
conversion of liquid and solid residues generated by the cane sugar
industry into a variety of useful products. The process also relates to
the treatment of other biomass materials. The process combines
elements of alcohol-based organosolv pulping with fermentation in a
10 fully integrated operation. This process eliminates the need for
separate costly facilities, thus reducing capital and operating costs,
providing opportunities for heat and energy reduction and a high
degree of internal process recycle. The process would replace costly
waste and residue treatment operations with revenue generating
15 operations.